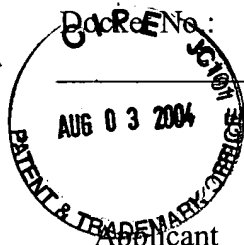


1636 AF  
IFW

Doc Ref No.: HIKAR1.001APC

Customer No.: 20,995



**AMENDMENT / RESPONSE TRANSMITTAL**

Applicant : Katsumata et al.  
App. No. : 09/762,568  
Filed : July 30, 2001  
For : A PLASMID VECTOR  
COMPRISING A  
RETROVIRAL INTEGRASE  
GENE AND AN INTEGRASE  
RECOGNITION REGION  
Examiner : Sullivan, Daniel M.  
Art Unit : 1636

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

July 30, 2004

(Date)

*Jennifer A. Haynes*  
Jennifer A. Haynes, Ph.D., Reg. No. 48,868

**MAIL STOP AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing in the above-identified application are the following enclosures:

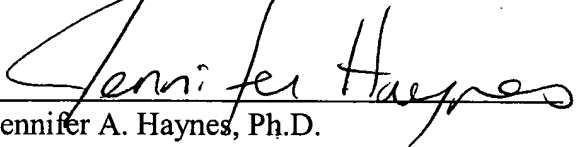
- (X) Amendment After Final Office Action in 6 pages.
- (X) The present application qualifies for small entity status under 37 C.F.R. § 1.27.

The fee has been calculated as shown below:

FEE CALCULATION				
FEE TYPE		FEE CODE	CALCULATION	TOTAL
Total Claims	18 - 20 =	2202 (\$9)	0 x 9 =	\$0
Independent Claims	1 - 3 =	2201 (\$43)	0 x 43 =	\$0
Multiple Claim		2203 (\$145)		\$0
			<b>TOTAL FEE DUE</b>	<b>\$0</b>

- (X) Return prepaid postcard.

- (X) Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

  
Jennifer A. Haynes, Ph.D.  
Registration No. 48,868  
Agent of Record  
Customer No. 20,995  
(415) 954-4114



HIKARI 001APC

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

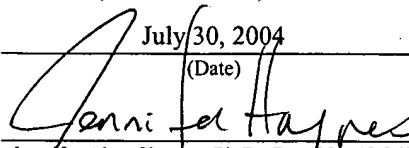
Applicant : Katsumata et al.  
Appl. No. : 09/762,568  
Filed : July 30, 2001  
For : A PLASMID VECTOR  
COMPRISING A RETROVIRAL  
INTEGRASE GENE AND AN  
INTEGRASE RECOGNITION  
REGION  
Examiner : Sullivan, Daniel M.  
Group Art Unit : 5060

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

July 30, 2004

(Date)

  
Jennifer Alma Hayes, Ph.D., Reg./No. 48,868

**AMENDMENT AFTER FINAL OFFICE ACTION**

**Mail Stop AF**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the final Office Action mailed from the United States Patent and Trademark Office on June 1, 2004, please amend the above-captioned patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 6 of this paper.